

**Amendments to the claims:**

1. (original) A power tool (10) with a housing (12) that includes a motor (20) with air cooling and a cooling-air exhaust duct (48), and a suction connecting piece (42) that guides a chip-suctioning flow, and, connected thereto, includes a dust box (50, 150) with air holes (72, 172),

wherein cooling exhaust air flows out of the suction connecting piece (42) at a high rate of speed and flows around and across the dust box (50, 150) in the region of its air holes (72, 172).

2. (currently amended) The power tool as recited in Claim 1,  
further comprising separated channels for guiding wherein the cooling exhaust air is guided, separately from and the dust evacuation air in separate air streams[[,]] out of the housing (12) to the dust box (50, 150) and further, unthrottled ~~in particular,~~ over its air holes (72, 172) [[,]] ~~preferably~~ over a large surface area as in a flat duct.

3. (currently amended) The power tool as recited in Claim 1,  
wherein the dust exhaust flow is guided in the suction connecting piece (42) of the housing (12) such that it is sealed off [[,]] ~~in particular~~ by a partition (49) [[,]] from the cooling exhaust-air flow.

4. (currently amended) The power tool as recited in Claim 1,

wherein the dust box (50, 150) supports an air-tight hood (66) in parallel with but at a distance from an the outer wall (62, 162) with the air holes (72, 172), the hood including an air outlet opening (70) in its back end.

5. (currently amended) The power tool as recited in Claim 1,  
wherein the ~~horizontally longitudinally divided~~ suction connecting piece (42) has an inlet opening ~~for of~~ the cooling exhaust-air duct (48), located radially outwardly and on an upper part of the suction connecting piece (42) the top, that is guided in the upper top part of the suction connecting piece (42).

6. (original) The power tool as recited in Claim 1,  
wherein the dust box (50, 150) includes a coupling branch (52, 152) for connection with the suction connecting piece (42) of the power tool (10), the cooling air duct (54, 154) of which is capable of being coupled with the cooling exhaust-air duct (48) of the suction connecting piece (42).

7. (original) The power tool as recited in Claim 1,  
wherein the dust box (50, 150) is provided with a base (60, 160) capable of being detached in the manner of a cover.

8. (currently amended) The power tool as recited in Claim 1,  
wherein the dust box (50) includes a top wall (62) capable of being detached in the manner of a cover, the top wall carrying a the pleated filter (64).

9. (currently amended) The power tool as recited in Claim 1,  
wherein the cooling exhaust-air duct (~~[[44,]]~~ 46) is connected with the  
suction duct (40, 42) via a connecting duct (46).

10. (currently amended) The power tool as recited in Claim 1,  
wherein the cooling exhaust-air duct (46) ~~[[44]]~~ is enlarged in the manner  
of a funnel in the outflow direction and, at its largest cross section, leads into the  
suction duct (40, 42).